Center Innovation Fund: ARC CIF

AMES SWIR Camera (SWIRcam): A Spin-Off Of The Ames Imaging Module (AIM)

Completed Technology Project (2015 - 2016)

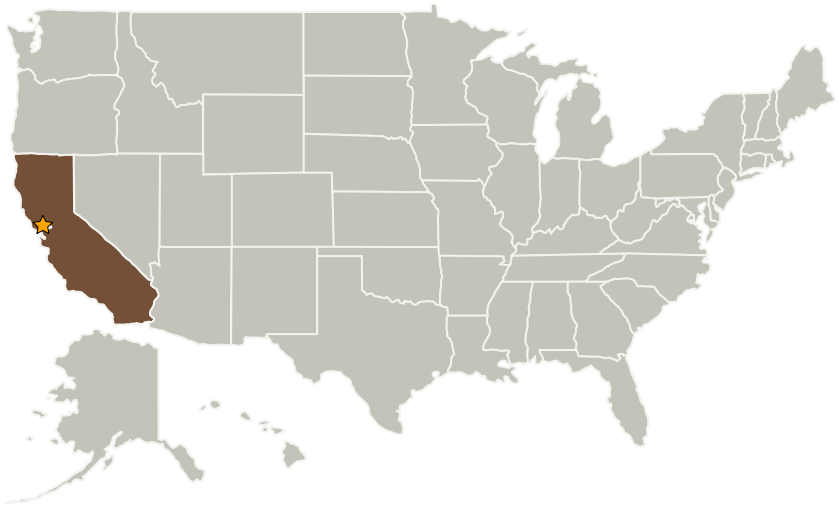
Project Introduction

The concept is to design a small and robust open source SWIR camera module that is adaptable to multiple mission platforms and is easy to implement in flight designs in an essentially off-the-shelf capacity. Key approaches include miniaturization and reduced mass and power.

Anticipated Benefits

Affordable short wave infrared camera

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★Ames Research Center(ARC)	Lead Organization	NASA Center	Moffett Field, California

Primary U.S. Work Locations
California

Project Website:

https://www.nasa.gov/directorates/spacetech/home/index.html

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Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Ames Research Center (ARC)

Responsible Program:

Center Innovation Fund: ARC CIF

Project Management

Program Director:

Michael R Lapointe

Program Manager:

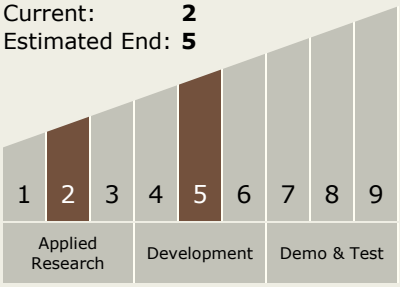
Harry Partridge

Principal Investigator:

Anthony Colaprete

Technology Maturity (TRL)

Start: **2**
Current: **2**
Estimated End: **5**



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Technology Areas

Primary:

- TX04 Robotic Systems
  - TX04.5 Autonomous Rendezvous and Docking
    - TX04.5.1 Relative Navigation Sensors